DS-7600NI-ST Series

NVR

Introduction:

DS-7600NI-ST series NVR (Network Video Recorder) is a new generation recorder developed by Hikvision independently. Combined with multiple advanced technologies, such as audio and video encoding & decoding technology, embedded system technology, storage technology, network technology and intelligent technology. It can both work alone as a recorder and cooperate with other device to build a comprehensive surveillance system.

The DS-7600NI-ST series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

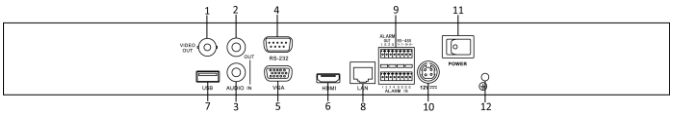
Available Models:

DS-7608NI-ST, DS-7616NI-ST and DS-7632NI-ST.

Main Features:

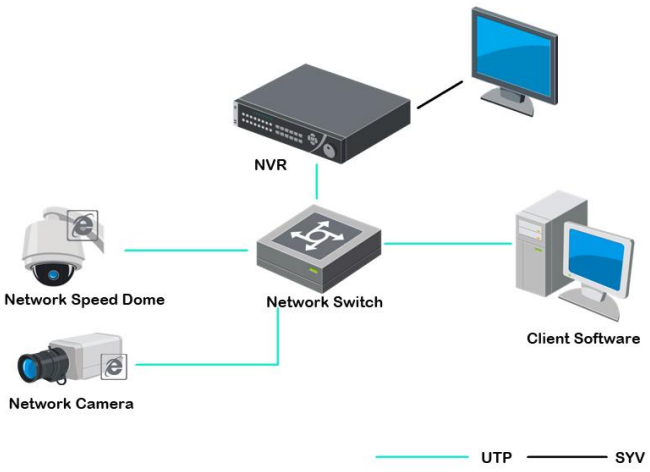
- Connectable to the third-party network cameras like like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY and Vivotek and ZAVIO.
- Up to 32 network cameras can be connected
- Support live view, storage, and playback of the connected camera with up to the resolution of 5 megapixels.
- Simultaneous HDMI and VGA at 1920 ×1080 resolution.
- New GUI and support starting record with one key;
- Redundant recording, holiday recording and capture schedule configuration;
- Realize instant playback for assigned channel during multi-channel display mode.
- Up to 16-ch synchronous playback at 4CIF resolution.
- Smart search for the selected area in the video.
- Customization of tags, searching, and playing back by tags.
- Locking and unlocking record files.
- Support HDD quota and group modes; different capacity can be assigned to different channel.
- Up to 8 SATA hard disks and 1 eSATA disk can be connected, for both recording and backup.
- 1 self-adaptive 10M/100M/1000M network interface;
- Support Hikvision DDNS (Dynamic Domain Name System);
- Support Channel-zero encoding, which enables you to get a view in the remote client or IE browser of all the channels in one screen.
- Support network detection, including network delay, packet loss, etc.
- Adopt pioneering dual-OS design to ensure the security of system running.

Physical Interfaces:



① VIDEO OUT
② AUDIO OUT
③ AUDIO IN
④ RS-232 Interface
⑤ VGA Interface
⑥ HDMI Interface
⑦ USB Interface
⑧ LAN Interface
⑨ RS-485 Interface, ALARM IN and ALARM OUT
⑩ Power Supply
⑪ Power Switch
⑫ Ground

Typical Application:



Specifications:

Model		DS-7608NI-ST	DS-7616NI-ST	DS-7632NI-ST
Video/Audio input	IP video input	8-ch	16-ch	32-ch
	Audio in	1-ch, BNC (2.0 Vp-p, 1kΩ) (Two-way audio)		
Network	Incoming bandwidth	40Mbps	80Mbps	160Mbps
	Outgoing bandwidth	240Mbps	240Mbps	160Mbps
	Remote Connection	128		
Video/Audio output	Recording resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF		
	Frame rate	Main stream: 25 fps (P) / 30 fps (N)		
		Sub-stream: 25 fps (P) / 30 fps (N)		
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 ×576 (PAL); 704 ×480 (NTSC)		
	HDMI output	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P /50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 ×720 /60Hz, 1024 ×768 /60Hz		
	VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 ×768 /60Hz		
	Audio output	1-ch, BNC (Linear, 600Ω)		
	Playback resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF		
	Synchronous playback	8-ch	16-ch	16-ch
Hard disk	SATA	2 SATA interfaces		
	Capacity	Each interface supports up to 4TB capacity for recording		
External interface	Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface		
	Serial interface	RS-232; RS-485;		
	USB interface	2 ×USB 2.0		
	Alarm in	4		
	Alarm out	2		
Others	Power supply	12 VDC		
	Consumption	≤ 13 W (without hard disk)		
	Working temperature	-10 ℃ ~ +55 ℃		
	Working humidity	10 % ~ 90 %		
	Chassis	19-inch rack-mounted 1U chassis		
	Dimensions (W ×D ×H)	445 ×261 ×44.5 mm		
	Weight	≤ 4 Kg (8.82 lb) (without hard disk or DVD-R/W)		

Note:

The formula to calculate the incoming bandwidth and the IPC connected is: A = B/(C+D).

A refers to the number of IP camera you connected.

B refers to the value of the incoming bandwidth.

C refers to the bitrate value of the main stream of the connected IPC.

And D refers to the bitrate value of the sub-stream of the connected IPC.

Example: The incoming bandwidth of 9016HWI-ST HDVR is 80Mbps and the IPC to connect is with resolution of 720P (1280*720) / 25 (30) fps. The bitrate for the main stream and sub-stream of the IPC is set as 4Mbps and 1Mbps respectively.

In this example, B=80Mbps, C=4Mbps, D=1Mbps and A = B/(C+D) = 80 / (4+1) = 16. So the number of IP cameras can be connected with is 16.